

ABSTRACT

An object of the present invention is to provide a charging equipment for a secondary battery that can charge any secondary battery, regardless of its kind, size and the like, until its charging rate comes to approximately 100%. The charging equipment comprises: a voltage increment device for incrementing a check voltage by a preset pitch of voltage from a lowest check voltage lower than a rated equilibrium voltage at full charge; a switch for switching applied voltage to the secondary battery to the special charging voltage or the check voltage supplied; a first judging means for judging whether an electric current detected by a current detection part is smaller than or as large as a preset standard electric current for judging; and a second judging means for judging whether the time required for the period from the last affirmative judgment to the present affirmative judgment is larger than two times as large as the time required for the period from the before-last affirmative judgment to the last affirmative judgment.